

AMENDMENTS TO THE CLAIMS

Please replace the claims, including all prior versions, with the listing of claims below.

LISTING OF CLAIMS:

1. (Currently amended) ~~Method~~A method for forming an encrypted message
~~containing~~including communication configuration data, comprising:

☐ ~~in which~~executing an Internet-based authentication method ~~is executed by~~ using at least one service from a unit in a security layer or link control layer between a first communication unit and a second communication unit, so that at least one pair of cryptographic keys is formed for the first communication unit and for the second communication unit; and

☐ encrypting~~in which~~ the communication configuration data of the first communication unit is ~~encrypted~~ using at least one cryptographic key of the at least one pair of cryptographic keys, ~~thus~~ forming the encrypted message.

2. (Currently amended) ~~Method~~The method according to claim 1, wherein

~~in which~~ the Internet-based authentication method is based on an extensible authentication protocol method.

3. (Currently amended) ~~Method~~The according to claim 1 ~~or 2~~, wherein

~~in which~~ the communication configuration data is transmitted from the first communication unit to the second communication unit by using electronic messages according to the Internet-based authentication method.

4. (Currently amended) ~~Method~~ The method according to ~~one of the claims 1 to 3,~~
~~in which~~ claim 1, wherein the communication configuration data is transmitted from the first
communication unit to the second communication unit by using electronic messages according to
one of the following Internet-based authentication methods:

- protected extensible authentication protocol method,
- extensible authentication protocol tunneled TLS authentication protocol method, or
- protocol for carrying authentication for network access method.

5. (Currently amended) ~~Method~~ The method according to ~~one of the claims 1 to 4,~~
~~In claim 1, wherein~~ which the first communication unit is a communication unit of a communication
network element.

6. (Currently amended) ~~Method~~ The method according to claim 5, wherein
~~in which~~ the first communication unit is a communication unit of a communication network element
in a mobile radio communication network.

7. (Currently amended) ~~Method~~ The method according to ~~one of the claims 1 to 6,~~
~~in which~~ claim 1, wherein the second communication unit is a communication terminal.

8. (Currently amended) ~~Method~~ The method according to claim 7, wherein

~~in which~~ the second communication unit is a mobile radio communication terminal.

9. (Currently amended) ~~Method~~ The method according to ~~one of the claims 1 to 8,~~
~~in which~~ claim 1, wherein the communication configuration data is encoded according to a protocol
format of a protocol for configuring a communication terminal.

10. (Currently amended) ~~Method~~ The method according to claim 9, wherein
~~in which~~ the communication configuration data is encoded according to a protocol format of a
protocol for dynamically configuring a communication terminal.

11. (Currently amended) ~~Method~~ The method according to claim 10, wherein
~~in which~~ the communication configuration data is encoded according to a dynamic host
configuration protocol for dynamically configuring a communication terminal.

12. (Currently amended) ~~Method~~ A method for encrypting an encrypted message
~~containing~~ including communication configuration data, comprising:

~~in which~~ executing an Internet-based authentication method ~~is executed by~~ using at least one
service from a unit in a security layer or link control layer between a first communication unit and a
second communication unit, so that at least one pair of cryptographic keys is formed for the first
communication unit and for the second communication unit; and

~~in which~~determining communication configuration data of the second communication unit ~~is determined by~~ using at least one cryptographic key of the at least one pair of cryptographic keys to decrypt the encrypted message ~~containing~~including the communication configuration data.

13. (Currently amended) ~~Device A~~ device for forming an encrypted message, ~~said the~~ encrypted message ~~containing~~including communication configuration data, comprising:

~~having~~ a key generation unit ~~which is able~~configured to execute an Internet-based authentication method ~~by~~ using at least one service from a unit in a security layer between a first communication unit and a second communication unit, so that at least one pair of cryptographic keys is formed for the first communication unit and for the second communication unit; and

~~having~~ an encryption unit ~~which is able~~configured to encrypt the communication configuration data by using at least one cryptographic key of the at least one pair of cryptographic keys, ~~thus~~ forming the encrypted message.

14. (Currently amended) ~~Device A~~ device for encrypting an encrypted message, ~~said the~~ encrypted message ~~containing~~including communication configuration data, comprising:

~~having~~ a key generation unit ~~which is able~~configured to execute an Internet-based authentication method ~~by~~ using at least one service from a unit in a security layer between a first communication unit and a second communication unit, so that at least one pair of cryptographic keys is formed for the first communication unit and for the second communication unit; and

~~having~~ a decryption unit ~~which is able~~configured to decrypt the communication configuration data of the second communication unit by using at least one cryptographic key of the at least one pair of cryptographic keys in decrypting the encrypted message ~~containing~~ said including the communication configuration data.

What is claimed is: